

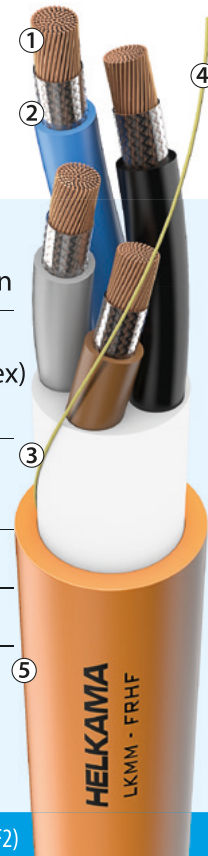
LKMM-FRHF

Fire-resistant unarmoured power cable with extruded filler 0,6/1kV

DESIGN:

STANDARDS: IEC 60092-353, design

1. Conductor	- stranded copper conductor 1,0–10mm ² - stranded copper conductor 16–300mm ² - tinned stranded copper conductor on request	IEC 60228, class 2 IEC 60228, class 5 (Flex)
2. Insulation	- Mica tape - XLPE plastic	IEC 60092-360
3. Bedding	- extruded filler	
4. Rip cord	- rip cord for conductors from 16mm ²	
5. Sheath	- polyolefine plastic, SHF1, standard colour orange - on request thermosetting polyolefine, SHF2, standard colour black - other colours on request	IEC 60092-360



● Flame-retardant ● Fire-resistant ● Halogen-free ● Low smoke emission ● Oil resistant (only SHF2)

Application: For fixed installation in most areas and on open deck in ships and offshore units. If the cable is exposed to direct sun light protective covering or cable with black outer sheath is recommended.

Main characteristics

Rated voltage	AC 0,6/1kV (1,2kV) DC 0,9/1,5kV (if voltage to earth does not exceed 0,9kV)
Flame-retardant	IEC 60332-1-2 -test for single insulated wire and cable IEC 60332-3-22 -test for bunched wires and cables, category A
Fire-resistant	IEC 60331-1 or IEC 60331-2
Halogen-free	IEC 60754 series
Smoke emission	IEC 61034 series
Oil resistance (only SHF2)	IEC 60811-404 conditions according to 60092-360/SHF2
Temperature rating:	Maximum conductor temperature + 90 °C Fixed installation -40 °C to +80 °C Minimum recommended installation temperature - 15 °C

For details see general information section

LKMM-FRHF 0,6/1kV		Number of conductors & cross-section n x mm ²	Nominal outer diameter mm	Approximate weight kg/km	Current Rating A at +45°C	Min. bending radius fixed installation mm
Part number Normal	G-type					
29532	–	2x1,5	12,0	165	20	70
29533	–	2x2,5	13,0	195	26	75
29534	–	2x4	13,5	250	34	85
29535	–	2x6	15,5	315	44	90
29536	–	2x10	17,0	440	61	105
29537	–	2x16 Flex	20,0	570	80	120
29538	–	2x25 Flex	24,5	840	105	145
29539	–	2x35 Flex	26,0	1145	130	160
29540	–	2x50 Flex	30,5	1555	167	185
29541	–	2x70 Flex	35,5	2095	204	210
29550	29551	3x1,5	12,0	190	16	75
29552	29553	3x2,5	13,0	240	21	80
29554	29555	3x4	15,0	305	28	90
29556	29557	3x6	15,5	395	36	95
29558	29559	3x10	18,0	560	50	110
29560	29561	3x16 Flex	20,5	735	66	125
29562	29563	3x25 Flex	26,0	1095	86	155
29564	29565	3x35 Flex	28,5	1475	107	170
29566	29567	3x50 Flex	32,5	2015	137	195
29568	29569	3x70 Flex	38,5	2805	168	230
29570	29571	3x95 Flex	43,5	3630	199	265
29572	29573	3x120 Flex	48,0	4535	232	290
29574	29575	3x150 Flex	54,5	5720	267	330
29576	29577	3x185 Flex	61,0	7010	300	370
29578	29579	3x240 Flex	70,0	9220	355	420
29584	29585	4x1,5	13,0	230	16	80
29586	29587	4x2,5	14,0	285	21	85
29588	29589	4x4	15,5	370	28	95
29590	29591	4x6	17,0	490	36	105
29592	29593	4x10	20,5	700	50	120
29594	29595	4x16 Flex	23,5	940	66	140
29596	29597	4x25 Flex	28,5	1380	86	170
29598	29599	4x35 Flex	30,5	1860	107	185
29600	29601	4x50 Flex	37,0	2580	137	220
29602	29603	4x70 Flex	42,5	3545	168	250
29618	29619	5x1,5	14,0	270	13	85
29620	29621	5x2,5	16,0	335	17	95
29622	29623	5x4	17,5	450	23	105
29624	29625	5x6	18,5	585	30	115
29626	29627	5x10	21,5	850	42	130
29628	29629	5x16 Flex	25,5	1145	55	150
29630	29631	5x25 Flex	30,5	1710	71	185

Other sizes on request.

G-type is with yellow/green earth conductor and marking on sheath is, for example, 3G1,5

Part number for oil resistant SHF2 cable:

4 + code from above table → 4xxxxx